



## BOARD OF COUNTY COMMISSIONERS

CLERMONT COUNTY, OHIO

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ROBERT L. PROUD   R. SCOTT CROSWELL III   EDWIN H. HUMPHREY

April 16, 2010

Subject:        Shayler Run Segment "C" Sewer Replacement

Dear Property Owner:

The Clermont County Water Resources Department is currently constructing the Shayler Run Segment "C" Sewer Replacement Project. This project consists of replacing the existing sanitary sewer located within the Shayler Run Creek, with a 42" diameter sewer. The 42" diameter sewer will be installed using trenchless technology by means of a tunnel boring machine (TBM). The use of the TBM eliminates the need to install the sewer using traditional open-cut methods and reduces surface disruption and impacts to the environment. In total, approximately 2 miles of 42" sewer will be installed beginning near Baldwin Road and ending near SR 32, following the stream corridor. A map which shows the approximate location of the project is attached.

As part of the sewer replacement project, a total of eight (8) access shafts are being installed every 1,000 to 2,000 feet along the alignment of the sewer. These shafts range in depth from 30' to 80'. The shafts will be used to launch the tunnel boring machine and to load the new pipe into the tunnel. Once the access shafts are not needed for construction purposes, sewer manholes will be installed for future operation and maintenance of the sanitary sewer.

Subsurface conditions along the alignment of the project consist mostly of solid shale and limestone. Due to the depths of the access shafts, use of traditional excavation equipment alone is not possible. Therefore, the Contractor (Midwest Mole, Inc.) is using Controlled Blasting to fracture the shale and limestone at each of the access shafts. A conventional excavator is then used to remove the fractured shale and limestone to the necessary depths at each of the access shafts. Attached is a Frequently Asked Questions Regarding Blasting that may provide additional information.

Each blast will be accompanied by an audible pre-blast and post-blast warning (air horn) to alert anyone in close proximity, as outlined below:

Warning Signal – A 1-minute series of long alarms 5 minutes prior to blast signal

Blast Signal – A series of short alarms 1 minute prior to the blast

All Clear Signal – A prolonged alarm following the inspection of the area

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CLERMONT COUNTY WATER RESOURCES DEPARTMENT

SANITARY ENGINEERING DIVISION

4400 HASKELL LANE, BATAVIA, OHIO 45103

TELEPHONE: (513) 732-8864 FAX: (513) 732-7310

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Please understand, the blasting is occurring in remote areas. The audible warning signals are only intended to notify persons within close proximity to the blast site. It is expected that very few residents will hear the blast signal from their homes.

Tentatively, the next blast is scheduled to occur on Thursday, April 22, 2010. All blasting will be performed Monday through Friday between the hours of 7:00 AM and 7:00 PM. Blasting will not occur on a daily basis. Currently, it is anticipated that up to 9 blasts will be required from April, 2010 to September, 2010 for shafts 5 to 11. Blasting for shafts 1 through 4 are currently scheduled to resume in February, 2011 and be complete by July, 2011. Again, these are all tentative schedules. A blasting schedule will be maintained and regularly updated on the Water Resources Department website at: <http://wrd.clermontcountyohio.gov/>. Additional information, as it becomes available, will also be posted at the website. The completion date for all construction associated with the project is scheduled for May 3, 2012.

Some residents may also be receiving additional information from the Contractor, Midwest Mole, Inc. If there are any questions regarding the project, please call me at 513-732-8860 or email at [lbloom@co.clermont.oh.us](mailto:lbloom@co.clermont.oh.us).

Sincerely,

Lyle G. Bloom, P.E.  
Sanitary Engineer

Attachments: Project Area Map  
Frequently Asked Questions Regarding Blasting

Cc: Tom Yeager, Director of Utilities